

Claim 29, line 1, change "any one of Claims 24 to 28," to -- Claim 24, --.

Claim 30, line 1, change "any one of Claims 24 to 29," to -- Claim 24, --.

38. (Amended) A system according to [any one of Claims 18 to 23] Claim 18, wherein the device is [that defined according to any one of claims 35 to 37] an electronic device for determining one or more targets in a sample, comprising:
an integrated circuit comprising the first group of N_1 conductors and a second group of N_2 conductors, defining between them $N_1 \times N_2$ junctions, each such junction being formed with an electronic module comprising two electrodes, each one linked to or defined as an integral portion of one of the conductors, and comprises a diode or non-linear component permitting current flow through the electronic module only in the direction from the first group of conductors to the second group of conductors, whereby a current flowing between one conductor of the first group to one conductor of the second group of conductors defines a single junction point between them; each pair of electrodes forming part of an array set, each array set having a recognition moiety bound either to at least one of the electrodes or to a non-conducting substance disposed between the electrodes.

39. (Amended) A method according to [any one of Claims 24 to 30] Claim 24, wherein said device is [a device according to any one of claims 35 to 37] an electronic device for determining one or more targets in a sample, comprising:

an integrated circuit comprising the first group of N_1 conductors and a second group of N_2 conductors, defining between them $N_1 \times N_2$ junctions, each such junction being formed with an electronic module comprising two electrodes, each one linked to or defined as an integral portion of one of the conductors, and comprises a diode or non-linear component permitting current flow through the electronic module only in the direction from the first group of conductors to the second group of conductors, whereby a current flowing between

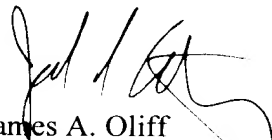
one conductor of the first group to one conductor of the second group of conductors defines a single junction point between them; each pair of electrodes forming part of an array set, each array set having a recognition moiety bound either to at least one of the electrodes or to a non-conducting substance disposed between the electrodes.

Claim 42, line 1, change "any one of Claims 25 to 26" to -- Claim 24 --.

REMARKS

Claims 1-42 are pending. By this Preliminary Amendment, claims 4, 5, 12, 14, 16-18, 22, 29, 30, 38, 39 and 42 are amended to eliminate multiple dependent claims. Prompt and favorable examination on the merits is solicited.

Respectfully submitted,



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